LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (canceled).

2. (canceled).

3. (currently amended) The method of claim [[1]] 20, wherein the web is in a paper manufacturing machine, and further comprising monitoring the web in the paper manufacturing machine.

4. (currently amended) The method of claim [[1]] 20, further comprising analyzing and compiling image variation data based on a level of variation in the fewer than all images, and displaying an image variation graph corresponding to the image variation data.

5. (currently amended) The method of claim [[1]] 20, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken obtained from each of at least some of the plurality of cameras, standardizing the output levels of the image variation data from the images taken by obtained from the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and selecting the image data for a respective camera representing the highest-level variation for automatic display.

6. (currently amended) The method of claim [[2]] 21, wherein the paper web is in a paper manufacturing machine, and further comprising monitoring the paper web in the paper manufacturing machine.

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7. (currently amended) The method of claim [[2]] 21, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken obtained from each of the at least some of the plurality of cameras, and displaying an image variation graph corresponding to the image variation data of at least one image preceding and following the an image to be analyzed.

8. (currently amended) The method of claim 3, further comprising analyzing and compiling image variation data based on a level of variation in sequential images taken obtained from at least one of the at least some of the plurality of cameras, and displaying an image variation graph corresponding to the image variation data.

9. (currently amended) The method of claim 6, further comprising analyzing and compiling image variation data based on a level of variation in sequential images taken obtained from at least one of the at least some of the plurality of cameras, and displaying an image variation graph corresponding to the image variation data.

10. (currently amended) The method of claim [[2]] 21, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken obtained from each of the at least some of the plurality of cameras, standardizing the output levels of the image variation data of images taken by the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and selecting the image data for a respective camera representing the highest-level variation for automatic display.

11. (currently amended) The method of claim 3, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images taken obtained from each of the at least some of the plurality of cameras, standardizing the output levels of the image variation data of the images taken by the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and

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selecting the image data for a respective camera representing the highest-level variation for automatic display.

12. (currently amended) The method of claim 6, further comprising analyzing and compiling image variation data based on a level of variation in a plurality of sequential images ~~taken~~ obtained from ~~each of the~~ at least some of the ~~plurality of~~ cameras, standardizing the output levels of the image variation data of the images taken by the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and selecting the image data for a respective camera representing the highest-level variation for automatic display.

13. (currently amended) The method of claim 4, further comprising standardizing the output levels of the image variation data of the images ~~taken by~~ obtained from the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and selecting the image data for a respective camera representing the highest-level variation for automatic display.

14. (currently amended) The method of claim 7, further comprising, standardizing the output levels of the image variation data of the images ~~taken by the different~~ obtained from the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and selecting the image data for a respective camera representing the highest-level variation for automatic display.

15. (currently amended) The method of claim 8, further comprising, standardizing the output levels of the image variation data of the images ~~taken by~~ obtained from the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and selecting the image data for a respective camera representing the highest-level variation for automatic display.

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16. (currently amended) The method of claim 9, further comprising, standardizing the output levels of the image variation data of the images ~~taken by~~ <u>obtained from</u> the different cameras so as to be mutually comparable, comparing the standardized output levels of the image variation data, and selecting the image data for a respective camera representing the highest-level variation for automatic display.

17. (currently amended) The method of claim [[1]] <u>20</u>, wherein the selection area includes a pointer, the pointer enabling the operator to select at least one of the ~~at least same~~ images.

18. (currently amended) The method of claim [[2]] <u>21</u>, wherein the selection area includes a pointer, the pointer enabling the operator to select at least one of the ~~at least same~~ images.

19. (currently amended) A method for displaying a plurality of images of a moving object obtained from a plurality of cameras, the method comprising:

placing each of the plurality of cameras in a position to take a respective image different from the images taken by the ~~others of the plurality of~~ <u>other</u> cameras~~, and~~<u>;</u>

taking images using at least some of the ~~plurality of~~ cameras;

storing image data from the images in digital image processors;

obtaining variation information from the image data, the variation information representing a variation in a sequence of images from ~~each of~~ at least two of the ~~plurality of~~ cameras;

comparing the variation information from each of the ~~at least~~ two cameras to determine a first camera ~~of the plurality of cameras~~ that provided the highest degree of variation in the sequence of images;

displaying a single image of the object from the sequence of images received from the first camera;

synchronizing the image information representing images received from at least two other cameras to illustrate the object shown in the single image;

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defining ~~at least one parameter representing at least one characteristic~~ a first parameter
representing distance between at least two of the plurality of cameras and a second
parameter representing velocity of the moving object; and
providing a user interface comprising a selection area that uses the ~~at least one parameter~~ first
and second parameters to represent fewer than all images in the sequence of images from
one of the plurality of cameras, the interface further comprising a selection control to
select an image in the sequence of images, wherein the number of images represented by
the selection area depends on ~~at least one of~~ the speed of the moving object and the
distance between at least two of the cameras, and wherein images from the at least two
cameras are displayed that correspond to the image selected by the selection control.

20. (new)   A method for representing synchronized image data from images of a
moving web obtained from a plurality of cameras, the method comprising:
placing each of the plurality of cameras in positions to take respective images different from the
images taken by the others of the plurality of cameras;
obtaining a set of images using at least some of the cameras;
defining a first parameter representing distance between at least two of the cameras and a second
parameter representing the velocity of the web;
storing image data from the set of images in at least one digital image processor;
selecting at least some images from the set of images showing a selected area of the web
obtained from a first camera for display on a computer screen;
searching the image data according to synchronization rules that utilize the first parameter
and the second parameter to select images obtained from a second camera which show the
selected area of the web; and
displaying a selection area on the computer screen that represents images that correspond
to the image data from the selected images.

21. (new)   A method for representing synchronized image data from images of a
moving paper web obtained from a plurality of cameras, the method comprising:

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placing each of the plurality of cameras in positions to take respective images different from the

images taken by the others of the plurality of cameras;

obtaining a set of images using at least some of the cameras;

defining a first parameter that represents the distance between at least two of the cameras, and a

second parameter that represents the velocity of the paper web;

storing image data from the set of images in at least one digital image processor;

selecting at least some images from the set of images that correspond to respective image data

from of images of a selected area of the web obtained from a first one of the cameras;

searching the image data according to synchronization rules that utilize the first and second

parameters to locate images taken from at least a second of the cameras which show the

selected area in the paper web; and

displaying a selection area on the operator's computer screen representing fewer than all images

from one of the cameras, wherein the selection area represents a first synchronized image

that originates from one camera and changes to a second synchronized image originating

from another camera.

22.   (new)   A method for monitoring a web process comprising the steps of:

placing a plurality of cameras at different process locations with different fields of view;

creating image streams using at least some of the cameras;

storing image data from the image streams in at least one digital image processor;

defining a first parameter representing distance between at least two of the plurality of cameras

and a second parameter representing at least velocity of the web;

selecting an area of interest at a particular position along the web; and

tracking the selected area as the web moves through the process by:

selecting at least some images for display on a computer screen which show the selected

area as viewed by a first camera;

searching the image data according to synchronization rules that utilize the first and

second parameters to locate images depicting the selected area as viewed by a

second camera; and

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displaying a selection area on the computer screen that represents images of the selected area as viewed by the first and second cameras.

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